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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/744,868	01/29/2001	Hannu Aronsson	290.745USN	8733

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EXAMINER

ZHONG, CHAD

ART UNIT	PAPER NUMBER
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2152

DATE MAILED: 09/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/744,868

Applicant(s)

ARONSSON, HANNU

Examiner

Chad Zhong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 July 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 24-35 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 24-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

FINAL ACTION

1. This action is responsive to communications: Amendment, filed on 07/27/2004. This action has been made final.

Claims 24-40 are presented for examination. In amendment B, filed on 07/27/2004:

Claims 24-27, 30-33, 39-40 are amended.

Claims 28-29, 34-38 are original.

2. The drawings are not enclosed within the Application. Applicant is respectfully requested to submit drawings.

3. It is noted that although the present application does contain line numbers in specification and claims, the line numbers in the claims do not correspond to the preferred format. The preferred format is to number each line of every claim, with each claim beginning with line 1. For ease of reference by both the Examiner and Applicant all future correspondence should include the recommended line numbering. In the amendment, the Applicant refuses to change line numbers beginning with every claim, although this is not required, it is for easy of reference as stated previously, the Examiner will abide by this format.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 24 rejected under 35 U.S.C. 102(b) as being anticipated by Gardner et al. (hereinafter Gardner), EP 0890913.

6. As per claim 24, Gardner teaches the system as claimed wherein an information delivery system that is connected to communication networks, comprising:

an information delivery server comprising:

an information receiving modules for receiving a message from a sender in communication with a first communication network and for converting the message into a form suited for information processing units in communication with the information receiving module (pg 9, lines 51-58; this section shows that the conversion takes place prior to receiving the message).

an information routing module in communication with the information receiving module, the information routing module receiving the converted message and directing the converted message to a selected information processing unit based on key data received from the sender (pg 9, lines 23-30; the routing module in this example is seen as the email list manager, the emails are routed to particular clients and of course they are converted prior to sending the message. The email destination/address reads on the key information received from the sender; alternatively, the key values can be seen as search criteria submitted by the end users and routed to the server for searches, server then routes the request/query to the database, the message is formatted/converted).

the selected information processing unit being adapted to process the messages based on the key data, fetch information requested in the messages, handle the fetched information and develop replies to the messages (pg 8, lines 45-50, lines 13-15; the server send the request/query to the database based on the search request by the user, fetching the information from the database, and develop a formatted reply to the request.);

an information sending modules in communication with the information processing unit for converting the replay to a form suited for a receiver of the reply, the receiver being the sender or the receiver in communication with a second communication network (pg 9, lines 5-8, lines 50-58); and

an user interface in communication with the information delivery server, the user interface having

a terminal connected to the information delivery system for creating and maintaining a service product in the information delivery system (pg 8, lines 13-15).

the service product adapted for fetching, processing and storing information, the service product having an operation program presented in a database as a command list of functions to be performed, the command list being associated with the key data (pg 9, lines 5-14; pg 8, lines 45-58; the server is fetching, processing and storing information, the data is inside the database in the format of lists) ; and the selected information processing unit being in communication with the database for searching the key data and downloading the command list associated with the key data from the database and performing the functions listed in the command list (pg 8, lines 45-50; pg 9, lines 5-14; this list is then retrieved and send to the end user for processing resource).

7. As per claim 25, Gardner teaches the information delivery system according to claim 24 wherein the information sending module is in communication with an information control module for receiving an answer therefrom for sending the reply via a sending module to the receiver of the reply (pg 9, lines 5-8).

8. As per claim 26, Gardner teaches the information delivery system according to claim 24 wherein the information processing unit is in communication with a plurality of networks and is adapted to fetch information requested in the message, from the plurality of networks or data bases stored in the information delivery server (pg 3, lines 1-2, lines 5-6, lines 8-9).

9. As per claim 27, Gardner teaches the information delivery system according to claim 24 wherein the information processing unit is adapted to handle the message and the information requested by means of a service product that has a command list program comprising a list of functions (pg 9, lines 5-7).

10. As per claim 28, Gardner teaches the information delivery system according to claim 27 wherein

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the command list program is stored in a database of the information delivery server (pg 9, lines 5-8, lines 11-14).

11. As per claim 30, Gardner teaches the invention substantially as claimed wherein a method of delivering information to communication networks, comprising:

providing a service product for fetching, processing or storing information (pg 9, lines 10-15);
presenting an operation program of the service product as a first command list of functions to be performed (pg 9, lines 10-15);
associating the first command list with a first key word (pg 9, lines 10-15);
storing the first command list in a database (pg 9, lines 5-10);
receiving a first message comprising the first key word from a first communication network (pg 9, lines 50-57; pg 8, lines 45-50);
identifying the first key word in the first message and searching for the first command list associated with the key word (pg 8, lines 14-16, lines 45-50; pg 9, lines 5-20);
performing functions of the first command list (pg 9, lines 5-20);
fetching information requested in the first message (pg 8, lines 14-16);
preparing a first reply based on the fetched information (pg 8, lines 45-50);
converting the first reply to a first form suited for the first communication network when the first reply is sent to the first communication network and converting the first reply to a second form suited for a second communication network when the first reply is sent to the second communication network (pg 9, lines 50-57); and
sending the first reply to the first communication network or to the second communication network (pg 9, lines 50-57).

12. As per claim 31, Gardner teaches the method according to claim 30 wherein the method further

comprises fetching information requested in the first message from a plurality of networks or from a database stored in the information delivery server (pg 9, lines 5-8).

13. As per claim 32, Gardner teaches the method according to claim 31 wherein the method further comprising processing the first message and fetching the information requested by means of the service product, including simple functions in a command list program, created in the information delivery system (pg 3, lines 1-2; pg 8, lines 26-31, lines 47-49; pg 9, lines 5-7, lines 51-58).

14. As per claim 33, Gardner teaches the method according to claim 30 wherein the method further comprises storing an information delivery product, comprising the information requested, in the database (pg 3, lines 5-6; pg 9, lines 5-8).

15. As per claim 34, Gardner teaches the method according to claim 33 wherein the method further comprises modifying the information delivery product with parameters added to fields of an information delivery product program (pg 8, lines 16-31).

16. As per claim 35, Gardner teaches the method according to claim 33 wherein the method further comprises describing a function of the information delivery product with a binary program module and transferring the binary program module to an information delivery system (pg 9, lines 5-17).

17. As per claim 36, Gardner teaches the method according to claim 30 wherein method further comprises describing a function of an information delivery product with a program stored in the first communication network (pg 9, lines 5-17).

18. As per claim 37, Gardner teaches the method according to claim 30 wherein the method further comprises storing data from a set of information delivery products in an information delivery server (pg 5, lines 44-45, lines 50-53).

19. As per claim 38, Gardner teaches the method according to claim 30 wherein the method further comprises storing data about a user, the data excluding identification data of the user (pg 6, lines 48-54; pg 5, lines 4-5).

20. As per claim 39, Gardner teaches the method according to claim 30 wherein the method further comprises constructing an information delivery product to conform to a mediated information and to prevent access to predetermined data in the first communication network (pg 7, lines 43-49).

21. Claims 29 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gardner et al. (hereinafter Gardner), EP 0890913 in view of "Official Notice".

22. As per claim 29, Gardner does not explicitly teach the information delivery system according to claim 24 wherein the first communication network is a wireless communication network. However 'Official Notice' is taken by the Examiner that a wireless communications network is notoriously well known. It would have been obvious to have used a wireless communications network for the current invention, because doing so would be less of a burden to set up landline infrastructure for newly developed areas, through wireless network, one can reach vast distances without laying out massive ground infrastructure, thereby improving efficiency and cost.

23. As per claim 40, Gardner does not explicitly teach the method according to claim 30 wherein the method further comprises delaying the replies prior to sending the replies. However 'Official Notice' is taken by the Examiner that a delay the reply prior to sending the reply is notoriously well known. It would have been obvious to have used a delay of a reply for the current invention, because doing so would be less burdening on the communications circuits, through a delay the system as a result would have less traffic thus improving the efficiency. Furthermore, it would have been obvious to have used a

delay of reply to give the system of present invention additional time to perform verification upon the potential intruder.

Conclusion

24. Applicant's remarks filed 07/27/2004 have been considered but are found not persuasive.

25. In the remark, the Applicant argued in substance that Gardner fails to disclose or suggest an information routing module that is in communication with the information-receiving module to receive and direct the converted message to a selected information processing unit based on key data received from the sender.

In response to Applicant's amendment, Gardner teaches the above sections.

Referring to pg 9, lines 5-20, Gardner teaches the routing of email messages to corresponding end users, furthermore, the conversion process is covered explicitly on lines 50-57 of the same page, thus Gardner teaches the above sections for the reasons above.

26. In the remark, the Applicant argued in substance that Gardner fails to teach or suggest as service product that has an operation program that is presented in a database as a command list of functions so that the command list is associated with the key data and that the selected information-processing unit is in communication with the database in order to download and perform the functions of the command list associated with key data.

In response to Applicant's amendment, Gardner teaches the above limitation.

Command list function of Applicant's invention are commands for controlling/manipulation of databases, in accordance with the primary reference Gardner, the search functionality disclosed on page 8 are an example of a command associated with a particular user, whom is identified by a key/id. The association between the command and the key is taught by the example above. Furthermore, the

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downloading of converted information command list is disclosed in various sections on page 9 of Gardner. Thus, Gardner teaches this limitation for the above cited reasons.

27. In the remark, the Applicant argued in substance that Gardner fails to teach or suggest an information-routing module that selects an information processing unit based on key data, a service product that has a command list associated with the same key data and a selected information-processing unit that carries out the function of the command list associated with the key data.

In response to Applicant's amendment, Gardner teaches the above section.

Gardner teaches the routing of messages towards particular end users on page 9, lines 5-20, moreover, the commands are stored within list files which by themselves are associated with various users based on user ID or a key. Finally the end user carries out the command associated with itself on page 9, lines 50-57. Thus, Gardner teaches the above section.

THIS ACTION IS MADE FINAL. Applicant is reined of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and publications are cited to further show the state of the art with respect to

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"Information Delivery System, Method For Information Delivery, Service Product And Use Of Service Product".

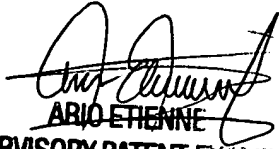
i. US 6092114 Shaffer et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad Zhong whose telephone number is (703) 305-0718. The examiner can normally be reached on M-F 7am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on 703-305-8498. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CZ
August 31, 2004


ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER